



# EpiMax 777UHD

## High Performance Seal Coat System

### **Safety precautions**

Read the EpiMax 777UHD Product Bulletin and the Material Safety Data Sheet before commencing any application. Keep away from children. Avoid contact with skin and avoid breathing vapour. Always provide adequate personal protection (gloves & goggles etc) during use. Always provide adequate ventilation, especially in confined spaces. If poisoning occurs, call Doctor or Poisons Information Centre. Phone 13 11 26. If swallowed, DO NOT induce vomiting. Give plenty of water or milk. If skin contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.



### **General preparation comments**

It should be remembered that water based systems generally require a higher level of surface preparation than solventless or solvent based systems.

Concrete should be at least 28 days old. Ensure it is clean, dry and free of additives, curing agents, oils, etc.

Prepare as necessary by professional diamond grinding or captive blast cleaning as applicable to expose firmly held aggregate. Allow to dry if wet. Always confirm preparation adequacy.

Most applications fall into three broad application categories: protecting polished concrete, protecting architectural cementitious flooring finishes and adding scuff protection to other EpiMax coating systems.

### **Protecting polished concrete applications**

Polished concrete is a generic term covering a variety of decorative concrete flooring options which leave a concrete surface exposed as the final floor finish.

Polished concrete floors provide a wide range of colours and finishes. They are affordable, energy efficient, low-maintenance and dust-free.

That said, for long term satisfaction, polished concrete needs to be protected from both chemical and mechanical action. Everyday substances like cleaning solutions, vegetable oil, vinegar, beer and wine can all attack concrete.

Concrete slab mix design and finishing flatness is also important for polished concrete appeal and long term durability. In particular, Floor Flatness (Ff) above 45 and Floor Levelness (Fl) above 35 will minimize any wavy appearance in a floor when polished.

When the polishing steps have been completed, it is important to keep the concrete floor surface clean and dry.

In high traffic areas, consider priming the surfaces with EpiMax 999WB Concrete Protective Sealer first. Allow to harden before applying the EM 777UHD in a minimum of two coats.

### **Protecting architectural cementitious flooring finishes**

The innovative trend of attractive cementitious flooring finishes offers a modern surfacing system that provides total architectural design freedom. These finishes created flooring in a virtually infinite range of colours and designs.

However, they do need to be protected from abuse in the same way that polished concrete does.

When the installation phase has been completed, it is important to keep the surface clean and dry.

Apply EM 777UHD in a minimum of two coats.

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### **Adding scuff protection to other EpiMax coating systems**

Ensure the surfaces are clean, dry and free of any contamination and less than two days old. Coatings older than two days require cleaning and a mechanical key via light grinding or sanding.

All surfaces will benefit from a mechanical key prior to coating.

Apply EpiMax 777UHD in a minimum of two coats.

### **Clear protection for INEX FLOOR installations**

EpiMax 777UHD is suitable as an *internal and an external clear sealer, for smooth and rough sides, gloss & matt for INEX FLOOR Applications.*

Ensure the surfaces are clean and free of any contamination.

Wipe the entire surface with clean damp cloth to remove any dust and then allow to dry.

Apply EpiMax 777UHD in a minimum of two coats.

### **Mixing**

Measure sufficient Activator and Base in the correct volumetric ratio (1 volume Activator to 4 volumes Base) that can be safely used within 3 - 4 hours at normal temperatures (20 - 25°C). Mix thoroughly using a low speed (400 rpm) power mixer. Ensure that all the material on the sides and on the stirrer are incorporated. Take care to avoid air entrapment in the mix.

EpiMax 777UHD can be diluted with up to 15% v/v potable water after mixing. Note that this will reduce the final film build.

### **Estimating data**

18 litre EpiMax 777UHD High Performance Seal Coat = 180 sq m at 60 micron dft per coat.

Coverage depends on porosity of surface.

EpiMax 777UHD is available in Gloss and Matt. Satin is available to order.

### **General application comments**

The hardening mechanism is two stage. Firstly the contained water evaporates and then the chemical hardening takes place.

Good air flow will always assist the water evaporation stage. Work time may be difficult to visually determine, so always keep track of actual time.

Review the sub-floor area in advance so that a fixed volume of mixed material can be applied over a fixed area to ensure correct application rate. Select a slow speed (400 rpm) mechanical mixer and ensure thorough mixing. Add EpiMax 777UHD Activator to EpiMax 777UHD Base. Mix until uniform.

To adjust the viscosity of the first coat, use up to 15% potable water as required. Apply in an even coat over the prepared surface at 10m<sup>2</sup> per litre.

EpiMax 777UHD can be applied by short nap roller or airless spray. Allow the coating to cure for 7 days prior to subjecting to full exposure. Slip resistance can be enhanced by incorporating suitable non-slip media into the first coat.

Wet edge time is effected by temperature and air flow. Higher temperatures and airflow will decrease wet edge times.

Discard unused material when the work time is exceeded (2 - 3 hours at 25°C) Work time may be difficult to visually determine, so always keep track of actual time.

Always protect from rain for 24 hours after application.

Avoid application when relative humidity is >80% and temperature is <12°C.

### **Disposal considerations**

Refer to the relevant State authority. Dispose of any unused product through a licensed waste contractor.

Normally suitable for disposal by approved waste disposal agent.



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